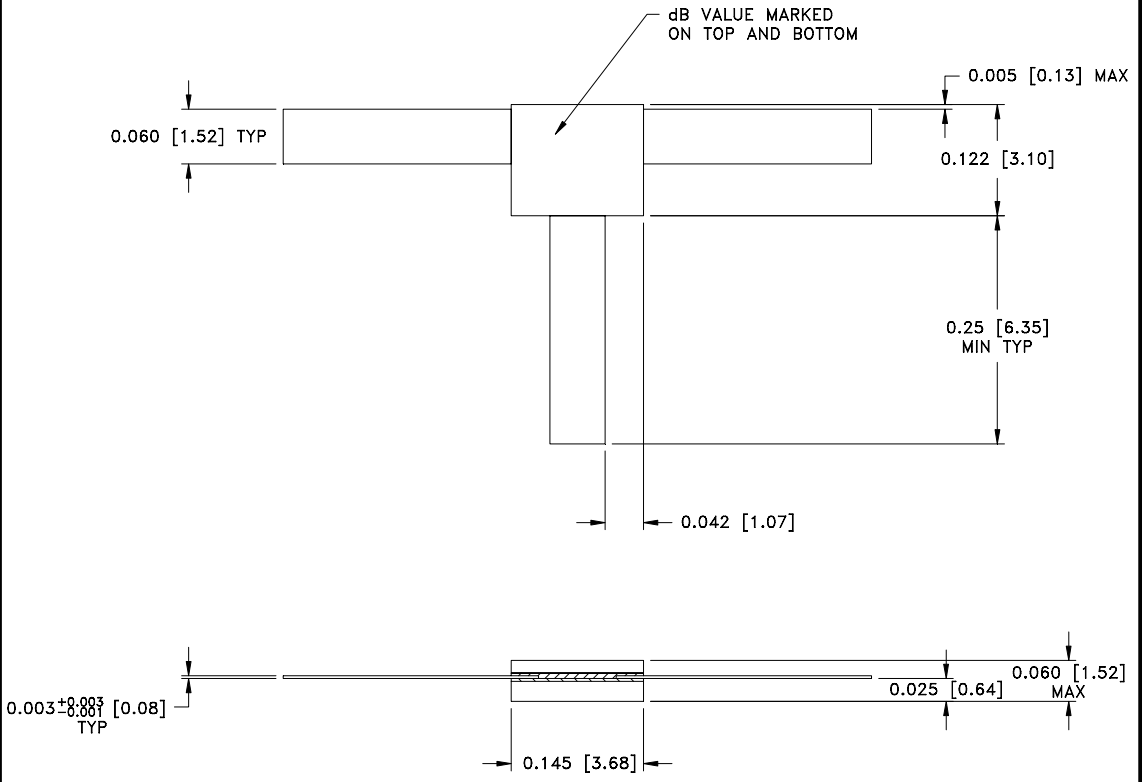


- 3.2.2 GROUP B TESTING (7 SAMPLES APPROVED FROM GROUP A).
 - 3.2.2.1 SUB-GROUP 1 (3 SAMPLES)
 - 3.2.2.1.1 LOW TEMPERATURE OPERATION
 - 3.2.2.1.1.1 USE FINAL ELECTRICAL MEASUREMENTS FROM GROUP A
 - 3.2.2.1.1.2 DISSIPATE LOW POWER FOR A DURATION OF 45 +5/-0 MINUTES. ALLOW TO STABILIZE AT 25°C FOR 24 HOURS.
 - 3.2.2.1.2 AFTER LOW TEMPERATURE ELECTRICAL MEASUREMENTS - MEASURE AND RECORD VSWR @ 1 GHZ AND ATTENUATION AT DC (0 GHZ) AND 1.0 GHZ.
 - 3.2.2.1.3 HIGH TEMPERATURE BAKE – +125°C +/- 5°C FOR 100 HRS THEN STABILIZE AT 25°C FOR 4 HRS.
 - 3.2.2.1.3.1 VISUAL EXAMINATION - INSPECT FOR EVIDENCE OF MECHANICAL DAMAGE.
 - 3.2.2.1.4 AFTER HIGH TEMPERATURE BAKE ELECTRICAL TEST - MEASURE AND RECORD VSWR @ 1 GHZ AND ATTENUATION AT DC (0 GHZ) AND 1.0 GHZ.
 - 3.2.2.1.5 TERMINATION ADHESION - SOLDER A WIRE AND PULL WITH 15 GRAMS PERPENDICULAR TO AND AWAY FROM THE SURFACE AREA.
 - 3.2.2.1.5.1 VISUAL INSPECTION – THERE SHALL BE NO SEPARATION OF MATERIAL.
 - 3.2.2.1.6 TERMINATION SOLDERABILITY IMMERSE EACH SAMPLE 5 SECONDS IN A SOLDER POT HELD AT 220°C +/- 5°C USING 60/40 OR 63/37 TIN-LEAD COMPOSITION.
 - 3.2.2.2 SUB-GROUP 2 (4 SAMPLES)
 - 3.2.2.2.1 INITIAL RF MEASUREMENTS - USE FINAL ELECTRICAL MEASUREMENTS FROM GROUP A.
 - 3.2.2.2.2 LIFE TEST – OPERATE SAMPLES UNITS FOR 1000 HRS AT 70°C AT INPUT POWER OF PER 1.1.6. ELECTRICAL MEASUREMENTS SHALL BE MADE AT 250 +48/-0 HRS, 500 +48/-0 HRS, AND 1000 +48/-0 HRS.
 - 3.2.2.2.3 FINAL RF MEASUREMENTS - MEASURE AND RECORD VSWR @ 1 GHZ AND ATTENUATION AT DC (0 GHZ) AND 1.0 GHZ.
- 3.2.3 GROUP C (QCI TESTING 4 SAMPLES APPROVED FROM GROUP A).
 - 3.2.3.1 LOAD LIFE TEST – BURN-IN UNITS AT 70°C WITH INPUT POWER OF PER 1.1.6 FOR A DURATION OF 1000 HOURS (1½ HOURS ON, ½ HOUR OFF). MEASURE AND RECORD ELECTRICALS AT 0, 250, 500, AND 1000 HOURS.
 - 3.2.3.2 AFTER LOAD LIFE RF MEASUREMENTS – MEASURE AND RECORD VSWR AND ATTENUATION AT 1 GHZ AT 25°C. TEST ACCEPTABLE LIMITS PER 4.2.1 OF TP-8965.
- 3.4 TEST DATA REQUIREMENTS:
 - 3.4.1 TEST DATA REQUIRED FOR CUSTOMER - SEE PARAGRAPH 5.0 OF TP-8965.
 - 3.4.2 DATA RETENTION - 24 MONTHS.
 - 3.4.3 TEST SAMPLES REQUIRED FOR CUSTOMER - SEE PARAGRAPH 5.0 OF TP-8965.

4.0 PACKAGING: STANDARD PACK PER MC0023. (SERIALIZED WAFFLE PACK)

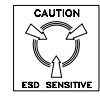
EMC TECHNOLOGY 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 24602		DWG #	1009935000
	CHANGE NOTICE	EN 03-288	REV LVL	-
			SHEET	2 OF 3

PART ID REF	
HR93XXXT3	



MECHANICAL SPECIFICATIONS:

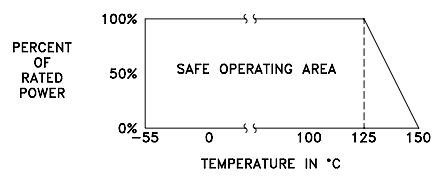
- SUBSTRATE:
MATERIAL - ALUMINA 96%, MIL-I-10.
- TOP PLATE:
MATERIAL - ALUMINA 96%, MIL-I-10.
- TERMINAL:
MATERIAL - PLATINUM GOLD, NICKEL BARRIER.
- RESISTIVE ELEMENT:
MATERIAL - TANTALUM NITRIDE.
- LEAD:
MATERIAL - COPPER, ASTM B152.
FINISH - GOLD, MIL-G-45204, TYPE II, CLASS 1.
- LEAD ATTACHMENT:
MATERIAL - SOLDER Sn96.5 Ag3.5.



METRIC EQUIVALENTS GIVEN IN [mm] FOR REFERENCE INFORMATION ONLY

ALLOW ±0.010 ON TOP PLATE FOR MISALIGNMENT.

POWER RATING AND DERATING



<p>8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772)286-9300 FAX NO. (772)283-5286</p>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EMC TECHNOLOGY INC AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALE OF PARTS OR DEVICES WITHOUT PERMISSION.					
	TOLERANCES	CAGE CODE	SCALE	DRAWN BY	CHECKED BY	APPROVED BY	
	FRACT --- -- ANG --- -- XX ±0.01 XXX ±0.005 XXXX --- --	24602	8:1	JG 12/5/03			
	REV	CHANGE NOTICE	DRAWING NO	SHEET			
	-	EN 03-288	1009935000	3 OF 3			